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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,822	09/11/2003	Jason R. Delker	2306	5940
28005	7590	06/05/2006	EXAMINER	
SPRINT			VU, MICHAEL T	
6391 SPRINT PARKWAY			ART UNIT	
KSOPHT0101-Z2100			PAPER NUMBER	
OVERLAND PARK, KS 66251-2100			2617	

DATE MAILED: 06/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/659,822	<b>Applicant(s)</b> DELKER ET AL.	
	<b>Examiner</b> Michael Vu	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2617

### **DETAILED ACTION**

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1, 9 and 14 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4, 9, 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano (US 5,220,599) in view of Silverman (5,875,240).

Regarding **claims 1, 9 and 14**, Sasano teaches a method of managing a plurality of directory numbers for the plurality of directory numbers including at least a first directory number and a second directory number (Fig. 9, C9, L42-67 to C10, L1-67), the method comprising: associating the first directory number with an identifier code recognized by the Private Branch Exchange PBX system (C13, L5-67), detecting a first

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incoming call request to connect a first incoming call to the first directory number in response to the first incoming call request (C3, L15-67 to C4, L1-61), transmitting a query to a call control system (C4, L1-61), the query identifying the first directory number (C4, L1-61),

As examiner noted that Sasano does not disclose the use of mobile station. However, Sasano teaches the concept of transmitting a first message (i.g. incoming call that includes the sub-address) to the telephone system and/or terminal, the message including the ID code to indicate that the first directory number being called (displaying specified sub-address, called or caller's phone number).

Therefore, it would have been obvious to one of ordinary skill in the art to modify of Sasano concept by using different environment, such as a wireless network.

Furthermore, Sasano **is silent on** receiving a response to the query, the response including the identifier code; and transmitting over an air interface a first message to the mobile station, the first message including the identifier code to indicate that the first directory number is being called.

However, Silverman teaches the storage device that has abbreviated codes or associate called identification information with each abbreviated code or related to the telephone number of subscribers to various special services offered by the telephone service provider (C6, L61-67 to C7, L1-32).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano, such that receiving a response to the query, the response including the identifier code; and transmitting over an air interface a

first message to the mobile station, the first message including the identifier code to indicate that the first directory number is being called, for providing called party identification information, which identified or notified a telephone number associated with an end user, and allow user to manage the incoming call such as screening call.

Regarding **claim 2**, Sasano/Silverman teach the method of claim 1, wherein the response further includes an identification of the mobile station (Fig. 2-3, C5, L14-67) of Silverman.

Regarding **claim 3**, Sasano/Silverman teach the method of claim 2, comprising: the call control system determining the identifier code and the identification of the mobile station based on the first directory number (C6, L61-67 to C7, L1-32) of Silverman.

Regarding **claim 4**, Sasano/Silverman teach the method of claim 1, comprising: the mobile station providing a user-discernible indication based on the identifier code (Fig. 9, C9, L42-67 to C10, L1-46) of Sasano.

Regarding **claim 15**, Sasano/Silverman teach in claim 14, comprising: a user selecting the first directory number to use for the call to the called party (C1, L55-67 to C2, L1-67) of Silverman.

Regarding **claim 16**, Sasano/Silverman teach in claim 15, wherein a user selecting the first directory number comprises: the user dialing a digit string associated with the first directory number (Fig. 19, C13, L5-64) of Sasano.

5. Claims 5-8, 10-13, 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano/Silverman in further view of Zimmerman (2002/0198007).

Regarding **claims 5 and 17**, Sasano/Silverman teach the method of claim 1, wherein the call control system **but is silent on** includes a service control point (SCP).

However, Zimmerman teaches the method and the wireless telecommunication system that has a service control point (SCP), (Fig. 1, [0023-0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano/Silverman, such that a service control point (SCP), to support for providing message processing in a communication unit over a wireless network.

Regarding **claims 6 and 18**, Sasano/Silverman/Zimmerman teach the method of claim 1, wherein the call control system includes a home location register (Fig. 1, [0023-0024]) of Zimmerman.

Regarding **claim 7**, Sasano/Silverman/Zimmerman teach the method of claim 1, wherein the first message is an alert message (Fig. 9, C9, L42-67 to C10, L1-46) of Sasano.

Regarding **claim 8**, Sasano/Silverman/Zimmerman teach the method of claim 1, comprising: detecting a second incoming call request to connect a second incoming call to the second directory number, and in response to the second incoming call request transmitting a second message to the mobile station without including the identifier code (Fig. 1-6, [0023-0044]) of Zimmerman.

Regarding **claim 10**, Sasano/Silverman teach in claim 9, wherein the call connection system **but is silent on** includes a mobile switching center (MSC).

However, Zimmerman teaches the method and the wireless telecommunication system that has a mobile switching center (MSC), (Fig. 1, [0023-0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano/Silverman, such that a mobile switching center (MSC), to support for providing message processing in a communication unit over a wireless network.

Regarding **claim 11**, Sasano/Silverman/Zimmerman teach in claim 10, wherein the MSC is provisioned with at least one trigger to query the call control system in response to a request to connect an incoming call to the first directory number (Fig. 1-6, [0023-0044], of Zimmerman.

Regarding **claim 12**, Sasano/Silverman/Zimmerman teach in claim 9, wherein the call control system includes a service control point (SCP) (Fig. 1, [0023-0024]) of Zimmerman.

Regarding **claim 13**, Sasano/Silverman/Zimmerman teach in claim 9, wherein the call control system includes a home location register (HLR) (Fig. 1, [0023-0024] of Zimmerman.

**Conclusion**


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Michael Vu

  
**DUC NGUYEN**  
**PRIMARY EXAMINER**